



2621 #4
14
8-05-02

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re: Application of:

KNOBLAUCH et al.

Serial No.: 10/047,423

Filed: January 15, 2002

Atty. File No.: 47271-01002

For: "METHOD FOR USING
REMOTELY SENSED DATA TO
PROVIDE AGRICULTURAL
INFORMATION"

Commissioner for Patents
Washington, D.C. 20231

Group Art Unit: 2621

Examiner: not yet assigned

INFORMATION DISCLOSURE
STATEMENT

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CERTIFICATE OF MAILING	
I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO COMMISSIONER FOR PATENTS, WASHINGTON, D.C. 20231 ON <u>June 27, 2002</u>	
HOLME ROBERTS & OWEN LLP	
BY: <u>[Signature]</u>	

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Dear Sir:

Pursuant to the duty of disclosure set forth at 37 CFR § 1.56 and the requirements for filing an Information Disclosure Statement set forth at 37 CFR §§ 1.97-1.98, enclosed is a copy of each of the documents identified on the attached Form PTO-1449. The disclosure of these documents is not to be construed as an admission that any of the documents, alone or in any combination, is considered to be material to patentability as defined in 37 CFR § 1.56(b). Moreover, the disclosure of these documents is not to be construed as an admission that any of the documents are prior art as to the above-identified application.

Respectfully submitted,

HOLME ROBERTS & OWEN LLP

By: [Signature]
Christopher J. Kulish
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1700 Lincoln Street, Suite 4100
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(303) 861-7000

Date: June 27, 2002

INFORMATION DISCLOSURE CITATION

(Use separate sheets if necessary)

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A	5,878,356	03/02/99	Garrot, Jr. et al.	701	1	
	B	6,029,106	02/22/00	Hale et al.	701	50	

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

C	Baret, F., and G. Guyot, "Potentials and Limits of Vegetation Indices for LAI and APAR Assessment", 35:161-173, 1991, Remote Sensing of Environment
D	Baret, F. and G. Guyot, and D. Major, "TSAVI: a Vegetation Index Which Minimizes Soil Brightness Effects on LAI and APAR Estimation", pp. 1355-1358, 10-14 July 1989, 12th Canadian Symposium on Remote Sensing and IGARSS'90, Vancouver, Canada

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Elvidge, C.D., and Z. Chen, "Comparison of Broad-band and Narrow-band Red and Near-infrared Vegetation Indices", 54:38-48, 1995, Remote Sensing Environment

Epiphonio, J.C.N., and A.R. Huete, "Dependence of NDVI and SAVI on Sun/Sensor Geometry and Its Effect on LAI-R Relationships in Alfalfa", 51:351-360, 1995, Remote Sensing of Environment

Huete, A., "A Soil-adjusted Vegetation Index (SAVI)", 25:295-309, 1988, Remote Sensing of Environment

Huete, A., R.D. Jackson, and D.F. Post, "Spectral Response of Plant Canopy With Different Soil Backgrounds", 17:37-53, 1985, Remote Sensing of Environment

Huete A., C. Justice, and H. Liu, "Development of Vegetation and Soil Indices for MODIS-EOS", 49:224-234, 1994, Remote Sensing of Environment

Huete, A.R., H.Q. Liu, K. Batchily, and W. van Leeuwen, "A Comparison of Vegetation Indices Over a Global Set of TM Images for EOS-MODIS", 59:440-451, 1997, Remote Sensing of Environment

Moran, M.S., Y. Inoue, and E.M. Barnes, "Opportunities and Limitations for Image-based Remote Sensing in Precision Crop Management", 61:319-346, 1997, Remote Sensing of Environment

Myneni, R.B., S. Maggion, J. Jaquinta, J.L. Privette, N. Gobron, B. Pinty, D.S. Kimes, M.M. Verstraete, and D.L. Williams, "Optical Remote Sensing of Vegetation: Modeling, Caveats, and Algorithms", 51:169-188, 1995, Remote Sensing of Environment

Paris, J.F., "TNTmips Project Workbook: From Start to Finish!", 219 pp., 1999, 3rd Ed., Paris & Associates, Inc., #255, 1172 S. Main Street, Salinas, CA 93901

Perry, C.R., Jr., and L.F. Lautenschlager, "Functional Equivalence of Spectral Vegetation Indices", 14:169-182, 1984, Remote Sensing of Environment

Price, J.C., "Estimating Vegetation Amount from Visible and Near Infrared Reflectances", 41:29-34, 1992, Remote Sensing of Environment

Qi, J., A. Chehbouni, A.R. Huete, Y.H. Kerr, and S. Sorooshian, "A Modified Soil Adjusted Vegetation Index", 48:119-126, 1994, Remote Sensing of Environment

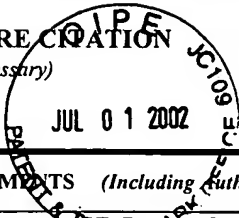
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Q

Rondeaux, G., M. Steven, and G. Baret, "Optimization of Soil-Adjusted Vegetation Indices", 55:95-107, 1996, Remote Sensing of Environment

R

Rouse, J.W., R.H. Haas, J.A. Schell, and D.W. Deering, "Monitoring Vegetation Systems in the Great Plains With ERTS", 309-317, 1973, In 3rd ERTS Symposium, NASA SP-351, NASA, Washington, DC, Vol. 1

S

Wiegand, C.L., A.J. Richardson, D.E. Ecobar, and A.H. Gerbermann, "Vegetation Indices in Crop Assessments", 35:105-119, 1991, Remote Sensing of Environment

T

Moran, M.S., R. Bryant, K. Thome, W. Ni, Y. Nouvellon, M.P. Gonzalez-Dugo, J. Qi, T.R. Clarke, "A Refined Empirical Line Approach for Reflectance Factor Retrieval from Landsat-5 TM and Landsat-7 ETM+", 78:71-82, 2001, Remote Sensing of Environment

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